



Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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PTO/SB/17 (10-03)

2813

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

Complete if Known	
Application Number	10/075,390-Conf. #7206
Filing Date	February 15, 2002
First Named Inventor	Kristy A. Campbell
Examiner Name	N. Drew Richards
Art Unit	2818
Attorney Docket No.	M4065.0505/P505

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None

Deposit Account:

Deposit Account Number 04-1073

Deposit Account Name Dickstein Shapiro Morin & Oshinsky LLP

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments

Charge any additional fee(s) or any underpayment of fee(s)

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1051	130	2051	65 Surcharge – late filing fee or oath
1052	50	2052	25 Surcharge – late provisional filing fee or cover sheet.
1053	130	1053	130 Non-English specification
1812	2,520	1812	2,520 For filing a request for ex parte reexamination
1804	920*	1804	920* Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action
1251	110	2251	55 Extension for reply within first month
1252	420	2252	210 Extension for reply within second month
1253	950	2253	475 Extension for reply within third month
1254	1,480	2254	740 Extension for reply within fourth month
1255	2,010	2255	1,005 Extension for reply within fifth month
1401	330	2401	165 Notice of Appeal
1402	330	2402	165 Filing a brief in support of an appeal
1403	290	2403	145 Request for oral hearing
1451	1,510	1451	1,510 Petition to institute a public use proceeding
1452	110	2452	55 Petition to revive – unavoidable
1453	1,330	2453	665 Petition to revive - unintentional
1501	1,330	2501	665 Utility issue fee (or reissue)
1502	480	2502	240 Design issue fee
1503	640	2503	320 Plant issue fee
1460	130	1460	130 Petitions to the Commissioner
1807	50	1807	50 Processing fee under 37 CFR 1.17(q)
1806	180	1806	180 Submission of Information Disclosure Stmt
8021	40	8021	40 Recording each patent assignment per property (times number of properties)
1809	770	2809	385 Filing a submission after final rejection (37 CFR 1.129(a))
1810	770	2810	385 For each additional invention to be examined (37 CFR 1.129(b))
1801	770	2801	385 Request for Continued Examination (RCE)
1802	900	1802	900 Request for expedited examination of a design application
Other fee (specify) _____			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3) (\$ 180.00)			

** or number previously paid, if greater; For Reissues, see above

(Complete if applicable)			
Name (Print/Type)	Thomas J. D'Amico	Registration No. (Attorney/Agent)	28,371
Signature		Telephone	(202) 828-2232
		Date	June 9, 2004



Docket No.: M4065.0505/P505
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Kristy A. Campbell et al.

Application No.: 10/075,390

Confirmation No.: 7206

Filed: February 15, 2002

Art Unit: 2818

For: METHOD TO ALTER
CHALCOGENIDE GLASS FOR
IMPROVED SWITCHING
CHARACTERISTICS

Examiner: N. Drew Richards

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Supplemental Information Disclosure Statement is filed more than three months after the U.S. filing date, AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

A copy of each reference on the PTO/SB/08 is attached.

06/10/2004 SSANDARA 00000003 10075390
01 FC:1806 180.00 OP

In accordance with 37 CFR 1.97(g), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Supplemental Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Supplemental Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Please charge our Credit Card in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). Credit Card Payment Form SB-2038, with a signature from an authorized cardholder, is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. M4065.0505/P505.

Dated: June 9, 2004

Respectfully submitted,

By _____

Thomas J. D'Amico

Registration No.: 28,371

Elizabeth Parsons

Registration No.: 52,499

DICKSTEIN SHAPIRO MORIN &

OSHINSKY LLP

2101 L Street NW

Washington, DC 20037-1526

(202) 785-9700

Attorneys for Applicants



PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/075,390; Conf. No.: 7206
				Filing Date	February 15, 2002
				First Named Inventor	Kristy A. Campbell
				Art Unit	2815
				Examiner Name	N. Drew Richards
Sheet	1	of	3	Attorney Docket Number	M4065.0505/P505

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A	US 2004/0035401		2/2004	Ramachandran et al.	
B	US 2003/0212724		11/2003	Ovshinsky et al.	
C	US 2003/0048744		3/2003	Ovshinsky et al.	
D	US 2003/0212725		11/2003	Ovshinsky et al.	
E	US RE 37,259E		7/2001	Ovshinsky	
F	US 3,271,591		9/1966	Ovshinsky	
G	US 3,961,314		6/1976	Klose et al.	
H	US 3,966,317		6/1976	Wacks et al.	
I	US 3,983,542		11/1976	Ovshinsky	
J	US 3,988,720		10/1976	Ovshinsky	
K	US 4,177,474		12/1979	Ovshinsky	
L	US 4,267,261		5/1981	Hallman et al.	
M	US 4,597,162		7/1986	Johnson et al.	
N	US 4,608,296		8/1986	Keem et al.	
O	US 4,637,895		1/1987	Ovshinsky et al.	
P	US 4,646,266		2/1987	Ovshinsky et al.	
Q	US 4,664,939		5/1987	Ovshinsky	
R	US 4,668,968		5/1987	Ovshinsky et al.	
S	US 4,670,763		6/1987	Ovshinsky et al.	
T	US 4,673,957		6/1987	Ovshinsky et al.	
U	US 4,678,679		7/1987	Ovshinsky	
V	US 4,696,758		9/1987	Ovshinsky et al.	
W	US 4,698,234		10/1987	Ovshinsky et al.	
X	US 4,710,899		12/1987	Young et al.	
Y	US 4,728,406		3/1988	Banerjee et al.	
Z	US 4,737,379		4/1988	Hudgens et al.	
A1	US 4,766,471		8/1988	Ovshinsky et al.	
B1	US 4,769,338		9/1988	Ovshinsky et al.	
C1	US 4,775,425		10/1988	Guha et al.	
D1	US 4,788,594		11/1988	Ovshinsky et al.	
E1	US 4,809,044		2/1989	Pryor et al.	
F1	US 4,818,717		4/1989	Johnson et al.	
G1	US 4,843,443		6/1989	Ovshinsky et al.	
H1	US 4,845,533		7/1989	Pryor et al.	
I1	US 4,853,785		8/1989	Ovshinsky et al.	
J1	US 4,891,330		1/1990	Guha et al.	
K1	US 5,128,099		7/1992	Strand et al.	
L1	US 5,159,661		10/1992	Ovshinsky et al.	
M1	US 5,166,758		11/1992	Ovshinsky et al.	
N1	US 5,177,567		1/1993	Klersy et al.	
O1	US 5,296,716		3/1994	Ovshinsky et al.	
P1	US 5,335,219		8/1994	Ovshinsky et al.	
Q1	US 5,359,205		10/1994	Ovshinsky	
R1	US 5,341,328		8/1994	Ovshinsky et al.	
S1	US 5,406,509		4/1995	Ovshinsky et al.	



PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/075,390; Conf. No.: 7206
				Filing Date	February 15, 2002
				First Named Inventor	Kristy A. Campbell
				Art Unit	2815
				Examiner Name	N. Drew Richards
Sheet	2	of	3	Attorney Docket Number	
				M4065.0505/P505	

T1	US 5,414,271	5/1995	Ovshinsky et al.	
U1	US 5,534,711	7/1996	Ovshinsky et al.	
V1	US 5,534,712	7/1996	Ovshinsky et al.	
W1	US 5,536,947	7/1996	Klersy et al.	
X1	US 5,543,737	8/1996	Ovshinsky	
Y1	US 5,591,501	1/1997	Ovshinsky et al.	
Z1	US 5,596,522	1/1997	Ovshinsky et al.	
A2	US 5,687,112	11/1997	Ovshinsky	
B2	US 5,694,054	12/1997	Ovshinsky et al.	
C2	US 5,714,768	2/1998	Ovshinsky et al.	
D2	US 5,825,046	10/1998	Czubatyj et al.	
E2	US 5,912,839	6/1999	Ovshinsky et al.	
F2	US 5,933,365	8/1999	Klersy et al.	
G2	US 6,011,757	1/2000	Ovshinsky	
H2	US 6,087,674	7/2000	Ovshinsky et al.	
I2	US 6,141,241	10/2000	Ovshinsky et al.	
J2	US 6,339,544	1/2002	Chiang et al.	
K2	US 6,404,665	6/2002	Lowery et al.	
L2	US 6,429,064	8/2002	Wicker	
M2	US 6,437,383	8/2002	Xu	
N2	US 6,462,984	10/2002	Xu et al.	
O2	US 6,480,438	11/2002	Park	
P2	US 6,487,113	11/2002	Park et al.	
Q2	US 6,501,111	12/2002	Lowery	
R2	US 6,507,061	1/2003	Hudgens et al.	
S2	US 6,511,862	1/2003	Hudgens et al.	
T2	US 6,511,867	1/2003	Lowery et al.	
U2	US 6,512,241	1/2003	Lai	
V2	US 6,514,805	2/2003	Xu et al.	
W2	US 6,531,373	3/2003	Gill et al.	
X2	US 6,534,781	3/2003	Dennison	
Y2	US 6,545,287	4/2003	Chiang	
Z2	US 6,545,907	4/2003	Lowery et al.	
A3	US 6,555,860	4/2003	Lowery et al.	
B3	US 6,563,164	5/2003	Lowery et al.	
C3	US 6,566,700	5/2003	Xu	
D3	US 6,567,293	5/2003	Lowery et al.	
E3	US 6,569,705	5/2003	Chiang et al.	
F3	US 6,570,784	5/2003	Lowery	
G3	US 6,576,921	6/2003	Lowery	
H3	US 6,586,761	7/2003	Lowery	
I3	US 6,589,714	7/2003	Maimon et al.	
J3	US 6,590,807	7/2003	Lowery	
K3	US 6,593,176	7/2003	Dennison	
L3	US 6,597,009	7/2003	Wicker	
M3	US 6,605,527	8/2003	Dennison et al.	
N3	US 6,613,604	9/2003	Maimon et al.	
O3	US 6,621,095	9/2003	Chiang et al.	
P3	US 6,625,054	9/2003	Lowery et al.	
Q3	US 6,642,102	11/2003	Xu	



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				Art Unit	2815
				Examiner Name	N. Drew Richards
Sheet	3	of	3	Attorney Docket Number	M4065.0505/P505

R3	US 6,646,297	11/2003	Dennison	
S3	US 6,649,928	11/2003	Dennison	
T3	US 6,667,900	12/2003	Lowery et al.	
U3	US 6,671,710	12/2003	Ovshinsky et al.	
V3	US 6,673,700	1/2004	Dennison et al.	
W3	US 6,674,115	1/2004	Hudgens et al.	
X3	US 6,687,427	2/2004	Ramalingam et al.	
Y3	US 6,690,026	2/2004	Peterson	
Z3	US 6,696,355	2/2004	Dennison	
A4	US 6,687,153	2/2004	Lowery	
B4	US 6,707,712	3/2004	Lowery	
C4	US 6,714,954	3/2004	Ovshinsky et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear ²
					T ⁶

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	CAA	Yoji Kawamoto et al. – “Ionic Conduction in As ₂ S ₃ -Ag ₂ S, GeS ₂ -GeS-Ag ₂ S and P ₂ S ₅ -Ag ₂ S Glasses,” Journal of Non-Crystalline Solids 20 (1976), pgs. 393-404.			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.